

WEST Search History

DATE: Tuesday, November 07, 2006

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	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L15	L12 and ((cylinder or cylindrical\$2 or tube or tubular\$2) same (bar or rod or rectangle or rectangular\$2) same (magnet or magnetic or magnetized or magnetised or magnetization or magnetisation))	13
<input type="checkbox"/>	L14	L12 and ((cylinder or cylindrical\$2 or tube or tubular\$2) same (bar or rod or rectangle or rectangular\$2) same (magnet or magnetic or magnetized or magnetised or magnetization or magnetisation))	0
<input type="checkbox"/>	L13	L12 and ((cylinder or cylindrical\$2 or tube or tubular\$2) same ((magnet or magnetic or magnetized or magnetised or magnetization or magnetisation) same (bar or rod or rectangle or rectangular\$2)))	0
<input type="checkbox"/>	L12	L11 and (mirror\$3 or symmetry or symmetric\$4)	37
<input type="checkbox"/>	L11	L10 and ((magnet or magnetic or magnetized or magnetised or magnetization or magnetisation) same (bar or rod or rectangle or rectangular\$2))	74
<input type="checkbox"/>	L10	L9 and (bar or rod or rectangle or rectangular\$2)	101
<input type="checkbox"/>	L9	L8 and (tilt\$4 or angl\$3 or bevel\$3 or taper\$3 or ramp\$3 or trapezoid\$4)	136
<input type="checkbox"/>	L8	L7 and ((ring or loop or anulus or anular\$2 or annular\$2 or annulus) same (array\$3 or group\$3 or "set" or plurality or multiple or "more than one" or "multi" or "at least two") same ((permanent\$2 or permanant\$2) same (magnet or magnetic or magnetized or magnetised or magnetization or magnetisation)))	224
<input type="checkbox"/>	L7	L6 and (ring or loop or anulus or anular\$2 or annular\$2 or annulus)	1903
<input type="checkbox"/>	L6	L5 and (array\$3 or group\$3 or "set")	3130
<input type="checkbox"/>	L5	L4 and (plurality or multiple or "more than one" or "multi" or "at least two")	3553
<input type="checkbox"/>	L4	L3 and ((magnetic adj resonan\$2) or MRI or NMR)	5260
<input type="checkbox"/>	L3	L2 and ((permanent\$2 or permanant\$2) same (magnet or magnetic or magnetized or magnetised or magnetization or magnetisation))	239245
<input type="checkbox"/>	L2	L1 and (magnet or magnetic or magnetized or magnetised or magnetization or magnetisation)	314572
<input type="checkbox"/>	L1	(permanent\$2 or permanant\$2)	951565

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Search Results - Record(s) 1 through 37 of 37 returned.

☐ 1. Document ID: US 20060232369 A1

L12: Entry 1 of 37

File: PGPB

Oct 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060232369

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060232369 A1

TITLE: Permanent magnet structure with axial access for spectroscopy applications

PUBLICATION-DATE: October 19, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Gorshkov; Mikhail V.

Moscow

RU

US-CL-CURRENT: 335/306

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Draw B
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☐ 2. Document ID: US 20060232368 A1

L12: Entry 2 of 37

File: PGPB

Oct 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060232368

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060232368 A1

TITLE: Permanent magnet structure with axial access for spectroscopy applications

PUBLICATION-DATE: October 19, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Gorshkov; Mikhail V.

Moscow

RU

US-CL-CURRENT: 335/306

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Draw B
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☐ 3. Document ID: US 20060118430 A1

L12: Entry 3 of 37

File: PGPB

Jun 8, 2006

PGPUB-DOCUMENT-NUMBER: 20060118430
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060118430 A1

TITLE: Hyperpolarized gas transport and storage devices and associated transport
and storage methods using permanent magnets

PUBLICATION-DATE: June 8, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hasson; Kenton C.	Durham	NC	US
Happer; William	Princeton	NJ	US
Zollinger; Geri T.K.	Chapel Hill	NC	US

US-CL-CURRENT: 206/.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Know	Draw D
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☐ 4. Document ID: US 20060097725 A1

L12: Entry 4 of 37

File: PGPB

May 11, 2006

PGPUB-DOCUMENT-NUMBER: 20060097725
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060097725 A1

TITLE: Nmr apparatus

PUBLICATION-DATE: May 11, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Callaghan; Paul Terence	Wellington		NZ
Hunter; Mark Warwick	Wellington		NZ
Dykstra; Robin	Palmerston North		NZ
Eccles; Craig David	Wellington		NZ

US-CL-CURRENT: 324/318; 335/296

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Know	Draw D
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☐ 5. Document ID: US 20050182607 A1

L12: Entry 5 of 37

File: PGPB

Aug 18, 2005

PGPUB-DOCUMENT-NUMBER: 20050182607
PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050182607 A1

TITLE: Process for modeling photons and everything else

PUBLICATION-DATE: August 18, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ross, John R.	Del Mar	CA	US

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Foot	Draw D.
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☐ 6. Document ID: US 20050068140 A1

L12: Entry 6 of 37

File: PGPB

Mar 31, 2005

PGPUB-DOCUMENT-NUMBER: 20050068140

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050068140 A1

TITLE: Permanent magnet assembly with movable permanent body for main magnetic field adjustable

PUBLICATION-DATE: March 31, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Huang, Xianrui	Clifton Park	NY	US
Laskaris, Evangelos Trifon	Niskayuna	NY	US
Amm, Kathleen Melanie	Clifton Park	NY	US
Amm, Bruce Campbell	Clifton Park	NY	US
Palmo, Michael Anthony JR.	Ballston Spa	NY	US

US-CL-CURRENT: 335/302; 324/318, 335/305

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Foot	Draw D.
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☐ 7. Document ID: US 20050068138 A1

L12: Entry 7 of 37

File: PGPB

Mar 31, 2005

PGPUB-DOCUMENT-NUMBER: 20050068138

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050068138 A1

TITLE: Multiple ring polefaceless permanent magnet and method of making

PUBLICATION-DATE: March 31, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Amm, Kathleen Melanie	Clifton Park	NY	US
Laskaris, Evangelos Trifon	Niskayuna	NY	US
Thompson, Paul Shadforth	Stephentown	NY	US
Aksel, Bulent	Clifton Park	NY	US
Amm, Bruce Campbell	Clifton Park	NY	US
Palmo, Michael Anthony JR.	Ballston Spa	NY	US
van Oort, Johannes Martinus	Niskayuna	NY	US
Huang, Xianrui	Clifton Park	NY	US

US-CL-CURRENT: 335/296; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Draw
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☐ 8. Document ID: US 20050030138 A1

L12: Entry 8 of 37

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050030138

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050030138 A1

TITLE: Permanent magnet-type magnetic field generating device

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Higuchi, Dai	Takefu-shi		JP

US-CL-CURRENT: 335/306

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Draw
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☐ 9. Document ID: US 20030011455 A1

L12: Entry 9 of 37

File: PGPB

Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030011455

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030011455 A1

TITLE: Magnet, a method of adjustment of magnetic field and a magnetic resonance imaging apparatus

PUBLICATION-DATE: January 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
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Wakuda, Tsuyoshi	Hitachi	JP
Kakugawa, Shigeru	Hitachi	JP
Wadayama, Yoshihide	Hitachiota	JP

US-CL-CURRENT: 335/299

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D.
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☐ 10. Document ID: US 20020050895 A1

L12: Entry 10 of 37

File: PGPB

May 2, 2002

PGPUB-DOCUMENT-NUMBER: 20020050895
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020050895 A1

TITLE: Magnetic apparatus for MRI

PUBLICATION-DATE: May 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Zuk, Yuval	Haifa		IL
Katz, Yoav	Rehovot		IL
Katznelson, Ehud	Ramat Yishai		IL
Rotem, Haim	Mate Asher		IL

US-CL-CURRENT: 335/216

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D.
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☐ 11. Document ID: US 6828892 B1

L12: Entry 11 of 37

File: USPT

Dec 7, 2004

US-PAT-NO: 6828892
DOCUMENT-IDENTIFIER: US 6828892 B1

TITLE: Unilateral magnet having a remote uniform field region for nuclear magnetic resonance

DATE-ISSUED: December 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fukushima; Eiichi	Albuquerque	NM		
Jackson; Jasper A.	Redwood City	CA		

US-CL-CURRENT: 335/299; 335/216

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Know	Draw D
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☐ 12. Document ID: US 6600401 B2

L12: Entry 12 of 37

File: USPT

Jul 29, 2003

US-PAT-NO: 6600401

DOCUMENT-IDENTIFIER: US 6600401 B2

TITLE: Magnetic apparatus for MRI

DATE-ISSUED: July 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zuk; Yuval	Haifa			IL
Katz; Yoav	Rehovot			IL
Katznelson; Ehud	Ramat Yishai			IL
Rotem; Haim	Mate Asher			IL

US-CL-CURRENT: 335/299; 324/318, 324/319, 335/296, 335/306

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Know	Draw D
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☐ 13. Document ID: US 6538545 B2

L12: Entry 13 of 37

File: USPT

Mar 25, 2003

US-PAT-NO: 6538545

DOCUMENT-IDENTIFIER: US 6538545 B2

TITLE: Magnet, a method of adjustment of magnetic field and a magnetic resonance imaging apparatus

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wakuda; Tsuyoshi	Hitachi			JP
Kakugawa; Shigeru	Hitachi			JP
Wadayama; Yoshihide	Hitachiota			JP

US-CL-CURRENT: 335/296; 324/320, 335/297, 335/301

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Know	Draw D
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☐ 14. Document ID: US 6535092 B1

L12: Entry 14 of 37

File: USPT

Mar 18, 2003

US-PAT-NO: 6535092
DOCUMENT-IDENTIFIER: US 6535092 B1

TITLE: Device for generating a variable magnetic field

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hurley; David Patrick	Dublin			IE
Coey; John Michael David	Dublin			IE

US-CL-CURRENT: 335/306; 117/917, 335/298

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWD	Draw D.
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☐ 15. Document ID: US 6489872 B1

L12: Entry 15 of 37

File: USPT

Dec 3, 2002

US-PAT-NO: 6489872
DOCUMENT-IDENTIFIER: US 6489872 B1
**** See image for Certificate of Correction ****

TITLE: Unilateral magnet having a remote uniform field region for nuclear magnetic resonance

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fukushima; Eiichi	Albuquerque	NM		
Jackson; Jasper A.	Albuquerque	NM		

US-CL-CURRENT: 335/299; 335/216

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWD	Draw D.
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☐ 16. Document ID: US 6467157 B1

L12: Entry 16 of 37

File: USPT

Oct 22, 2002

US-PAT-NO: 6467157
DOCUMENT-IDENTIFIER: US 6467157 B1

TITLE: Apparatus for construction of annular segmented permanent magnet

DATE-ISSUED: October 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Livni; Avinoam	Haifa			IL
Katz; Yoav	Benyamina			IL

US-CL-CURRENT: 29/737; 269/13, 269/14, 29/419.2, 29/602.1, 29/607, 29/719, 29/744,
29/759, 29/760, 29/762, 29/DIG.105, 29/DIG.95

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw D.
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☐ 17. Document ID: US 6411187 B1

L12: Entry 17 of 37

File: USPT

Jun 25, 2002

US-PAT-NO: 6411187

DOCUMENT-IDENTIFIER: US 6411187 B1

TITLE: Adjustable hybrid magnetic apparatus

DATE-ISSUED: June 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rotem; Haim	Mate Asher			IL
Katznelson; Ehud	Ramat Yishai			IL

US-CL-CURRENT: 335/296; 324/319, 324/320, 335/298, 335/299, 335/306

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw D.
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☐ 18. Document ID: US 6373251 B1

L12: Entry 18 of 37

File: USPT

Apr 16, 2002

US-PAT-NO: 6373251

DOCUMENT-IDENTIFIER: US 6373251 B1

**** See image for Certificate of Correction ****

TITLE: Nuclear magnetic resonance apparatus and methods of use and facilities for incorporating the same

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Damadian; Raymond V.	Woodbury	NY		
Danby; Gordon T.	Wading River	NY		
Hsieh; Hank	Ronkonkoma	NY		
Morrone; Terry	Greenlawn	NY		
Damadian; Timothy	Huntington Station	NY		

US-CL-CURRENT: 324/318; 324/319, 324/320

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 19. Document ID: US 6313711 B1

L12: Entry 19 of 37

File: USPT

Nov 6, 2001

US-PAT-NO: 6313711

DOCUMENT-IDENTIFIER: US 6313711 B1

**** See image for Certificate of Correction ****

TITLE: Alignment method and system for YIG oscillator

DATE-ISSUED: November 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Korber, Jr.; Marinus L	San Carlos	CA		
Mueller; Keith Jeremy	Mt. View	CA		

US-CL-CURRENT: 331/96; 331/176, 331/177R, 331/68

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 20. Document ID: US 6300761 B1

L12: Entry 20 of 37

File: USPT

Oct 9, 2001

US-PAT-NO: 6300761

DOCUMENT-IDENTIFIER: US 6300761 B1

TITLE: Antenna array for magnetic resonance examinations

DATE-ISSUED: October 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hagen; Juergen	Erlangen			DE
Kreischer; Ludwig	Dormitz			DE
Reykowski; Arne	Erlangen			DE

US-CL-CURRENT: 324/318; 600/421

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 21. Document ID: US 6297634 B1

L12: Entry 21 of 37

File: USPT

Oct 2, 2001

US-PAT-NO: 6297634
DOCUMENT-IDENTIFIER: US 6297634 B1

TITLE: MRI magnetic field generator

DATE-ISSUED: October 2, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Aoki; Masaaki	Takatsuki			JP

US-CL-CURRENT: 324/315; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIG	Draw D
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☐ 22. Document ID: US 6245190 B1

L12: Entry 22 of 37

File: USPT

Jun 12, 2001

US-PAT-NO: 6245190
DOCUMENT-IDENTIFIER: US 6245190 B1

TITLE: Plasma processing system and plasma processing method

DATE-ISSUED: June 12, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Masuda; Toshio	Toride			JP
Mitani; Katsuhiko	Hikari			JP
Kaji; Tetsunori	Tokuyama			JP
Tanaka; Jun'ichi	Chiyoda-machi			JP
Watanabe; Katsuya	Kudamatsu			JP
Shirayone; Shigeru	Kudamatsu			JP
Otsubo; Toru	Fujisawa			JP
Sasaki; Ichiro	Yokohama			JP
Fukamoto; Hideshi	Hitachinaka			JP
Koizumi; Makoto	Naka-machi			JP

US-CL-CURRENT: 156/345.46; 118/723MA, 118/723R

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIG	Draw D
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☐ 23. Document ID: US 6163240 A

L12: Entry 23 of 37

File: USPT

Dec 19, 2000

US-PAT-NO: 6163240
DOCUMENT-IDENTIFIER: US 6163240 A

TITLE: Magnetic apparatus for MRI

DATE-ISSUED: December 19, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zuk; Yuval	Haifa			IL
Katznelson; Ehud	Ramat Yishai			IL
Katz; Yoav	Rehovot			IL
Rotem; Haim	Mate Asher			IL

US-CL-CURRENT: 335/299; 324/318, 324/319, 324/320, 335/296, 335/302, 335/306

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIG	Draw D
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☐ 24. Document ID: US 6157278 A

L12: Entry 24 of 37

File: USPT

Dec 5, 2000

US-PAT-NO: 6157278

DOCUMENT-IDENTIFIER: US 6157278 A

TITLE: Hybrid magnetic apparatus for use in medical applications

DATE-ISSUED: December 5, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Katznelson; Ehud	Ramat Yishai			IL
Zuk; Yuval	Haifa			IL
Rotem; Haim	Kfar Klil			IL

US-CL-CURRENT: 335/296; 324/319, 324/320, 335/298, 335/299, 335/306

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIG	Draw D
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☐ 25. Document ID: US 6147578 A

L12: Entry 25 of 37

File: USPT

Nov 14, 2000

US-PAT-NO: 6147578

DOCUMENT-IDENTIFIER: US 6147578 A

**** See image for Certificate of Correction ****TITLE: Method for designing open magnets and open magnetic apparatus for use in MRI/MRT probes

DATE-ISSUED: November 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Panfil; Shimon	Haifa			IL
Katznelson; Ehud	Ramat Yishai			IL

US-CL-CURRENT: 335/296; 324/319, 324/320, 335/298, 335/306

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Keywords	Drawings
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☐ 26. Document ID: US 6002255 A

L12: Entry 26 of 37

File: USPT

Dec 14, 1999

US-PAT-NO: 6002255

DOCUMENT-IDENTIFIER: US 6002255 A

TITLE: Planar open magnet MRI system having active target field shimming

DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pulyer; Yuly M.	Revere	MA		

US-CL-CURRENT: 324/320; 324/319

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Keywords	Drawings
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☐ 27. Document ID: US 5659250 A

L12: Entry 27 of 37

File: USPT

Aug 19, 1997

US-PAT-NO: 5659250

DOCUMENT-IDENTIFIER: US 5659250 A

TITLE: Full brick construction of magnet assembly having a central bore

DATE-ISSUED: August 19, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Domigan; Paul	Andover	MA		
Hass; Mathew Arnold	Andover	MA		
Gluckstern; Robert	Rockville	MD		

US-CL-CURRENT: 324/320; 324/319

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Keywords	Drawings
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☐ 28. Document ID: US 5438264 A

L12: Entry 28 of 37

File: USPT

Aug 1, 1995

US-PAT-NO: 5438264

DOCUMENT-IDENTIFIER: US 5438264 A

TITLE: Magnetic field generating apparatus

DATE-ISSUED: August 1, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takeshima; Hirotaka	Ryugasaki			JP
Takeuchi; Hiroyuki	Kashiwa			JP
Nakamura; Chikako	Matsudo			JP

US-CL-CURRENT: 324/319; 324/320, 335/296

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Keywords	Drawings
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☐ 29. Document ID: US 5003276 A

L12: Entry 29 of 37

File: USPT

Mar 26, 1991

US-PAT-NO: 5003276

DOCUMENT-IDENTIFIER: US 5003276 A

TITLE: Method of site shimming on permanent magnets

DATE-ISSUED: March 26, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sarwinski; Raymond E.	San Diego	CA		
Breneman; Bruce C.	San Diego	CA		

US-CL-CURRENT: 335/304; 335/306

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Keywords	Drawings
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☐ 30. Document ID: US 4943774 A

L12: Entry 30 of 37

File: USPT

Jul 24, 1990

US-PAT-NO: 4943774

DOCUMENT-IDENTIFIER: US 4943774 A

TITLE: Magnetic field control apparatus

DATE-ISSUED: July 24, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breneman; Bruce C.	San Diego	CA		
Parker; J. Wesley	Escondido	CA		
Sarwinski; Raymond E.	San Diego	CA		

US-CL-CURRENT: 324/318; 335/296

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	Drawings
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☐ 31. Document ID: US 4758813 A

L12: Entry 31 of 37

File: USPT

Jul 19, 1988

US-PAT-NO: 4758813

DOCUMENT-IDENTIFIER: US 4758813 A

TITLE: Cylindrical NMR bias magnet apparatus employing permanent magnets and methods therefor

DATE-ISSUED: July 19, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Holsinger; Ronald F.	Carlisle	MA		
Gluckstern; Robert L.	Rockville	MD		
Fisher; John C.	Carpinteria	CA		

US-CL-CURRENT: 335/306; 29/599, 324/318, 335/296

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	Drawings
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☐ 32. Document ID: US 4594550 A

L12: Entry 32 of 37

File: USPT

Jun 10, 1986

US-PAT-NO: 4594550

DOCUMENT-IDENTIFIER: US 4594550 A

TITLE: Method of scanning specifying magnetic field for nuclear magnetic resonance imaging

DATE-ISSUED: June 10, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamada; Yoshifumi	Utsunomiya			JP
Tanaka; Kunio	Asahikawa			JP

Abe; Zenwemon

Yokohama

JP

US-CL-CURRENT: 324/307; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D.
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☐ 33. Document ID: US 4538130 A

L12: Entry 33 of 37

File: USPT

Aug 27, 1985

US-PAT-NO: 4538130

DOCUMENT-IDENTIFIER: US 4538130 A

TITLE: Tunable segmented ring magnet and method of manufacture

DATE-ISSUED: August 27, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gluckstern; Robert L.	College Park	MD		
Holsinger; Ronald F.	Carlisle	MA		
Lown; Robert R.	Billerica	MA		

US-CL-CURRENT: 335/306; 250/396ML, 324/319, 335/212, 335/298

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D.
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☐ 34. Document ID: US 3484002 A

L12: Entry 34 of 37

File: USOC

Dec 16, 1969

US-PAT-NO: 3484002

DOCUMENT-IDENTIFIER: US 3484002 A

TITLE: TRANSPORTATION SYSTEM

DATE-ISSUED: December 16, 1969

INVENTOR-NAME: BARRY LEONARD D

US-CL-CURRENT: 414/336; 104/20, 414/373

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D.
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☐ 35. Document ID: US 3354725 A

L12: Entry 35 of 37

File: USOC

Nov 28, 1967

US-PAT-NO: 3354725

DOCUMENT-IDENTIFIER: US 3354725 A

TITLE: Accelerometer

DATE-ISSUED: November 28, 1967

INVENTOR-NAME: CANFIELD EUGENE B

US-CL-CURRENT: 73/514.03; 73/514.09

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw D
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☐ 36. Document ID: US 3044021 A

L12: Entry 36 of 37

File: USOC

Jul 10, 1962

US-PAT-NO: 3044021

DOCUMENT-IDENTIFIER: US 3044021 A

TITLE: Gyromagnetic amplifier with parallel pumping

DATE-ISSUED: July 10, 1962

INVENTOR-NAME: POOLE KENNETH M; TIEN PING K ; WEISS JERALD A

US-CL-CURRENT: 330/4.8, 330/56, 330/83, 331/94.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw D
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☐ 37. Document ID: US 2922917 A

L12: Entry 37 of 37

File: USOC

Jan 26, 1960

US-PAT-NO: 2922917

DOCUMENT-IDENTIFIER: US 2922917 A

TITLE: Nonreciprocal elements in microwave tubes

DATE-ISSUED: January 26, 1960

INVENTOR-NAME: RUDOLF KOMPFFNER

US-CL-CURRENT: 315/3.5; 315/39.3, 333/158, 333/24.2, 333/81B

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw D
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Term	Documents
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SYMMETRY	168243
SYMMETRIES	4152
SYMMETRYS	3
MIRROR\$3	0
MIRROR	655550
MIRRORA	27
MIRRORAGE	1
MIRRORAI	1
MIRRORAL	1
MIRRORAN	2
MIRRORAND	39
(L11 AND (MIRROR\$3 OR SYMMETRY OR SYMMETRIC\$4)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	37

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☐ 1. Document ID: US 20060232369 A1

L15: Entry 1 of 13

File: PGPB

Oct 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060232369

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060232369 A1

TITLE: Permanent magnet structure with axial access for spectroscopy applications

PUBLICATION-DATE: October 19, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Gorshkov; Mikhail V.

Moscow

RU

US-CL-CURRENT: 335/306

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC	Draw U.
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☐ 2. Document ID: US 20060232368 A1

L15: Entry 2 of 13

File: PGPB

Oct 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060232368

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060232368 A1

TITLE: Permanent magnet structure with axial access for spectroscopy applications

PUBLICATION-DATE: October 19, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Gorshkov; Mikhail V.

Moscow

RU

US-CL-CURRENT: 335/306

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC	Draw U.
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☐ 3. Document ID: US 20060097725 A1

L15: Entry 3 of 13

File: PGPB

May 11, 2006

PGPUB-DOCUMENT-NUMBER: 20060097725
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060097725 A1

TITLE: Nmr apparatus

PUBLICATION-DATE: May 11, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Callaghan; Paul Terence	Wellington		NZ
Hunter; Mark Warwick	Wellington		NZ
Dykstra; Robin	Palmerston North		NZ
Eccles; Craig David	Wellington		NZ

US-CL-CURRENT: 324/318; 335/296

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIG	Draw D
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☐ 4. Document ID: US 20050030138 A1

L15: Entry 4 of 13

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050030138
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050030138 A1

TITLE: Permanent magnet-type magnetic field generating device

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Higuchi, Dai	Takefu-shi		JP

US-CL-CURRENT: 335/306

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIG	Draw D
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☐ 5. Document ID: US 6828892 B1

L15: Entry 5 of 13

File: USPT

Dec 7, 2004

US-PAT-NO: 6828892
DOCUMENT-IDENTIFIER: US 6828892 B1

TITLE: Unilateral magnet having a remote uniform field region for nuclear magnetic resonance

DATE-ISSUED: December 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fukushima; Eiichi	Albuquerque	NM		
Jackson; Jasper A.	Redwood City	CA		

US-CL-CURRENT: 335/299; 335/216

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Drawings
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☐ 6. Document ID: US 6489872 B1

L15: Entry 6 of 13

File: USPT

Dec 3, 2002

US-PAT-NO: 6489872

DOCUMENT-IDENTIFIER: US 6489872 B1

**** See image for Certificate of Correction ****TITLE: Unilateral magnet having a remote uniform field region for nuclear magnetic resonance

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fukushima; Eiichi	Albuquerque	NM		
Jackson; Jasper A.	Albuquerque	NM		

US-CL-CURRENT: 335/299; 335/216

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Drawings
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☐ 7. Document ID: US 6313711 B1

L15: Entry 7 of 13

File: USPT

Nov 6, 2001

US-PAT-NO: 6313711

DOCUMENT-IDENTIFIER: US 6313711 B1

**** See image for Certificate of Correction ****

TITLE: Alignment method and system for YIG oscillator

DATE-ISSUED: November 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Korber, Jr.; Marinus L	San Carlos	CA		
Mueller; Keith Jeremy	Mt. View	CA		

US-CL-CURRENT: 331/96; 331/176, 331/177R, 331/68

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	PMC	Draw D.
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☐ 8. Document ID: US 6297634 B1

L15: Entry 8 of 13

File: USPT

Oct 2, 2001

US-PAT-NO: 6297634

DOCUMENT-IDENTIFIER: US 6297634 B1

TITLE: MRI magnetic field generator

DATE-ISSUED: October 2, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Aoki; Masaaki	Takatsuki			JP

US-CL-CURRENT: 324/315; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	PMC	Draw D.
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☐ 9. Document ID: US 5003276 A

L15: Entry 9 of 13

File: USPT

Mar 26, 1991

US-PAT-NO: 5003276

DOCUMENT-IDENTIFIER: US 5003276 A

TITLE: Method of site shimming on permanent magnets

DATE-ISSUED: March 26, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sarwinski; Raymond E.	San Diego	CA		
Breneman; Bruce C.	San Diego	CA		

US-CL-CURRENT: 335/304; 335/306

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	PMC	Draw D.
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☐ 10. Document ID: US 4758813 A

L15: Entry 10 of 13

File: USPT

Jul 19, 1988

US-PAT-NO: 4758813

DOCUMENT-IDENTIFIER: US 4758813 A

TITLE: Cylindrical NMR bias magnet apparatus employing permanent magnets and methods therefor

DATE-ISSUED: July 19, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Holsinger; Ronald F.	Carlisle	MA		
Gluckstern; Robert L.	Rockville	MD		
Fisher; John C.	Carpinteria	CA		

US-CL-CURRENT: 335/306; 29/599, 324/318, 335/296

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw D.
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☐ 11. Document ID: US 3484002 A

L15: Entry 11 of 13

File: USOC

Dec 16, 1969

US-PAT-NO: 3484002

DOCUMENT-IDENTIFIER: US 3484002 A

TITLE: TRANSPORTATION SYSTEM

DATE-ISSUED: December 16, 1969

INVENTOR-NAME: BARRY LEONARD D

US-CL-CURRENT: 414/336; 104/20, 414/373

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw D.
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☐ 12. Document ID: US 3354725 A

L15: Entry 12 of 13

File: USOC

Nov 28, 1967

US-PAT-NO: 3354725

DOCUMENT-IDENTIFIER: US 3354725 A

TITLE: Accelerometer

DATE-ISSUED: November 28, 1967

INVENTOR-NAME: CANFIELD EUGENE B

US-CL-CURRENT: 73/514.03; 73/514.09

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw D.
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☐ 13. Document ID: US 2922917 A

L15: Entry 13 of 13

File: USOC

Jan 26, 1960

US-PAT-NO: 2922917

DOCUMENT-IDENTIFIER: US 2922917 A

TITLE: Nonreciprocal elements in microwave tubes

DATE-ISSUED: January 26, 1960

INVENTOR-NAME: RUDOLF KOMPNER

US-CL-CURRENT: 315/3.5; 315/39.3, 333/158, 333/24.2, 333/81B

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	DOC	Draw
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BAR	1367462
BARS	611926
ROD	1632936
RODS	652940
RECTANGLE	166507
RECTANGLES	39010
MAGNET	489809
(L12 AND ((CYLINDER OR CYLINDRICAL\$2 OR TUBE OR TUBULAR\$2) SAME (BAR OR ROD OR RECTANGLE OR RECTANGULAR\$2) SAME (MAGNET OR MAGNETIC OR MAGNETIZED OR MAGNETISED OR MAGNETIZATION OR MAGNETISATION))) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	13

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